Exercises

1. A student has the following grades:

subject	grade
calculus	80
Physics	89
chemistry	94
Probability	77
Signals	92

Find the average grade of the student using commands "input" to enter .each grade and command "disp" to display the result

Do your work on a .script file

2.What is the output of the following code:

```
x=0;
for i=1:3
   for j=1:3
     x=i+j;
    if(x<4)
        disp('*')
    else if(x>4)
            disp('**')
        end
    end
end
end
```

3.Write a matlab function that takes 4 inputs and the output is a 4*3 matrix, the first column should contain the 4 numbers sorted, the second column is the cumulative sum of the numbers and the third column is the numbers multiplied by (2+3j)

for example if the numbers are 3 5 9 8 the output is

3.0000	3.0000	6.0000 - 9.0000i
5.0000	8.0000	10.0000 -15.0000i
8.0000	17.0000	18.0000 -27.0000i

9.0000 25.0000 16.0000 -24.0000i

4. Use help to find what the following commands do and give an example for each

- Dec2bin
- Bin2dec
- Dec2hex
- Hex2dec
- Expand
- Factor

Deadline 18-12-2010